

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number  
WO 2004/064059 A1

(51) International Patent Classification?: G11B 19/20,  
19/02, 33/14

Herman, P. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA  
Eindhoven (NL).

(21) International Application Number:  
PCT/IB2003/006272

(74) Agent: DEGUELLE, Wilhelmus, H., G.; Philips Intel-  
lectual Property & Standards, Prof. Holstlaan 6, NL-5656  
AA Eindhoven (NL).

(22) International Filing Date:  
24 December 2003 (24.12.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,  
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,  
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,  
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,  
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03075082.2 13 January 2003 (13.01.2003) EP

(84) Designated States (*regional*): ARIPO patent (BW, GH,  
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

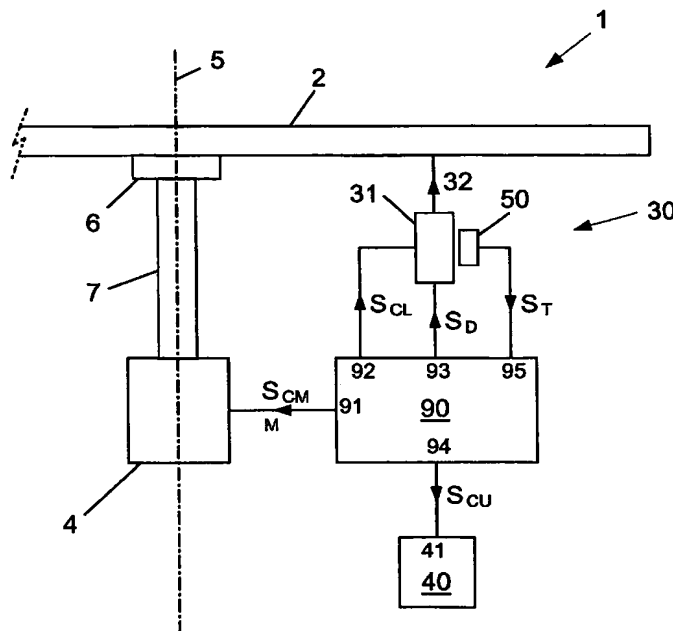
(71) Applicant (*for all designated States except US*): KONIN-  
KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): VAN DER KALL,

[Continued on next page]

(54) Title: DISC DRIVE APPARATUS



(57) Abstract: An optical disc drive apparatus (1) for writing and/or reading information into and/or from an optical disc (2) comprises: a controllable motor (4) for rotating a disc (2); a laser (31); temperature measuring means (50) for generating a measuring signal (ST) indicating a temperature (T) of said laser; a control unit (90) having a first output (91) for generating a control signal (SCM) for said motor (4); wherein the control unit (90) is designed to be capable of operating in a FAN mode (SM2) in which said motor (4) is rotated while said laser is switched OFF.

WO 2004/064059 A1